**Syllabus subtopic:** Science and Technology - developments and their applications and effects in everyday life; Achievements of Indians in science & technology; indigenization of technology and developing new technology.

**News:** The American Space Research Organization (NASA) has completed the first 'Global Geological' mapping of Saturn's largest moon 'Titan'. NASA's Jet Propulsion Jet Laboratory (JPL) has released this information.

**Prelims and Mains focus:** About geological mapping of Saturn’s moon and its significance

**Geological Mapping:** Geologic mapping involves plotting the location and attitude of the various rock units, faults, and folds on a base map.

**Key observations**

- This map includes sand dunes, lakes, plains, besides volcanic craters and other inaccessible locations.
- There are many differences between Earth and Titan apart from temperature and magnetic fields, but there are many similarities in the surface of the right.